

IN THE CLAIMS

Please amend the claims to read as follows:

Listing of Claims

1-15. (Canceled).

16. (Currently Amended) A transmitting apparatus that transmits a pilot signal, the transmitting apparatus comprising:

a transmitting section that transmits information of an arrangement of a plurality of time slots ~~each having pilot signals of a unique pilot patterns, each of the pilot patterns having a~~ mutually different pattern of a unique arrangement density in a frequency domain or a time domain, and that transmits per time slot the pilot signals of the ~~unique pilot pattern~~ according to the arrangement of the plurality of time slots.

17. (Currently Amended) The transmitting apparatus according to claim 16, wherein the transmitting section repeats processing of transmitting per time slot the pilot signals of the ~~unique pilot patterns~~ pattern according to the arrangement of the plurality of time slots.

18. (Currently Amended) The transmitting apparatus according to claim 16, further comprising:

a multiplexing section that multiplexes the pilot signals of the ~~unique pilot patterns~~ pattern and user data according to the arrangement of the plurality of time slots to generate a multiplexed signal, wherein
the transmitting section transmits the multiplexed signal.

19. (Currently Amended) A transmitting method of transmitting a pilot signal, the transmitting method comprising:

transmitting information of an arrangement of a plurality of time slots ~~each~~ having pilot signals of ~~a-unique pilot patterns, each of the pilot patterns having a mutually different pattern of~~ a-unique arrangement density in a frequency domain or a time domain, and transmitting per time slot the pilot signals of the ~~unique pilot patterns~~ pattern according to the arrangement of the plurality of time slots.

20. (Currently Amended) An integrated circuit that controls transmission of a pilot signal, the integrated circuit comprising:

a controlling section that controls processing of transmitting information of an arrangement of a plurality of time slots ~~each~~ having pilot signals of ~~a-unique pilot patterns, each of the pilot patterns having a mutually different pattern of a-unique~~ unique arrangement density in a frequency domain or a time domain, and that controls processing of transmitting per time slot the pilot signals of the ~~unique pilot patterns~~ pattern according to the arrangement of the plurality of time slots.